

CUSTOMER
PREMESIS
EQUIPMENT

LINEAR
INTERFACES

RING
INTERFACES

NETWORK
ELEMENT
140

RING
INTERFACES

LINEAR
INTERFACES

LINEAR
INTERFACES

RING
INTERFACES

RING 145

HUBBED
NETWORK
OFFICE

NETWORK
ELEMENT
150

HIGH SPEED

LOW SPEED

NETWORK
ELEMENT
160

LOW SPEED

HIGH SPEED

RING 165

FIG. 1 (PRIOR ART)

100A ... 100K

112A ... 112I

CROSS-CONNECT
114

116A ... 116D

NETWORK
ELEMENT
110

LOW SPEED

HIGH SPEED

156A ... 156D

CROSS-CONNECT
154

152A ... 152I

162A ... 162D

CROSS-CONNECT
164

166A ... 166J

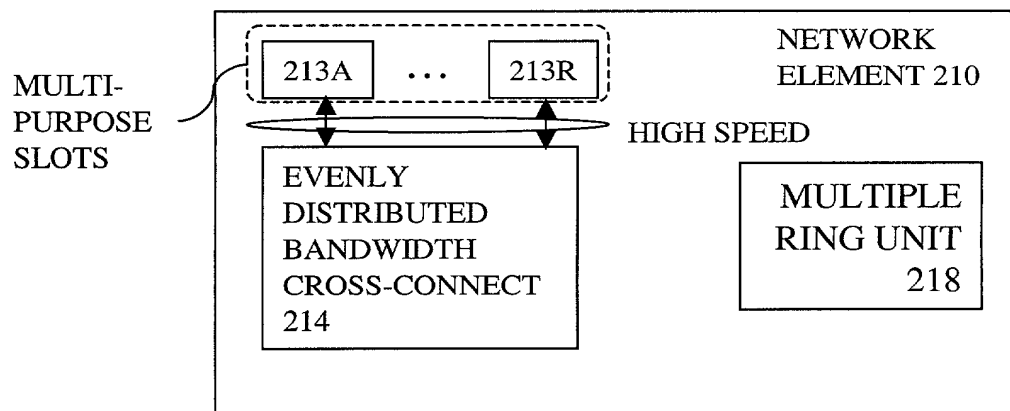


FIG. 2

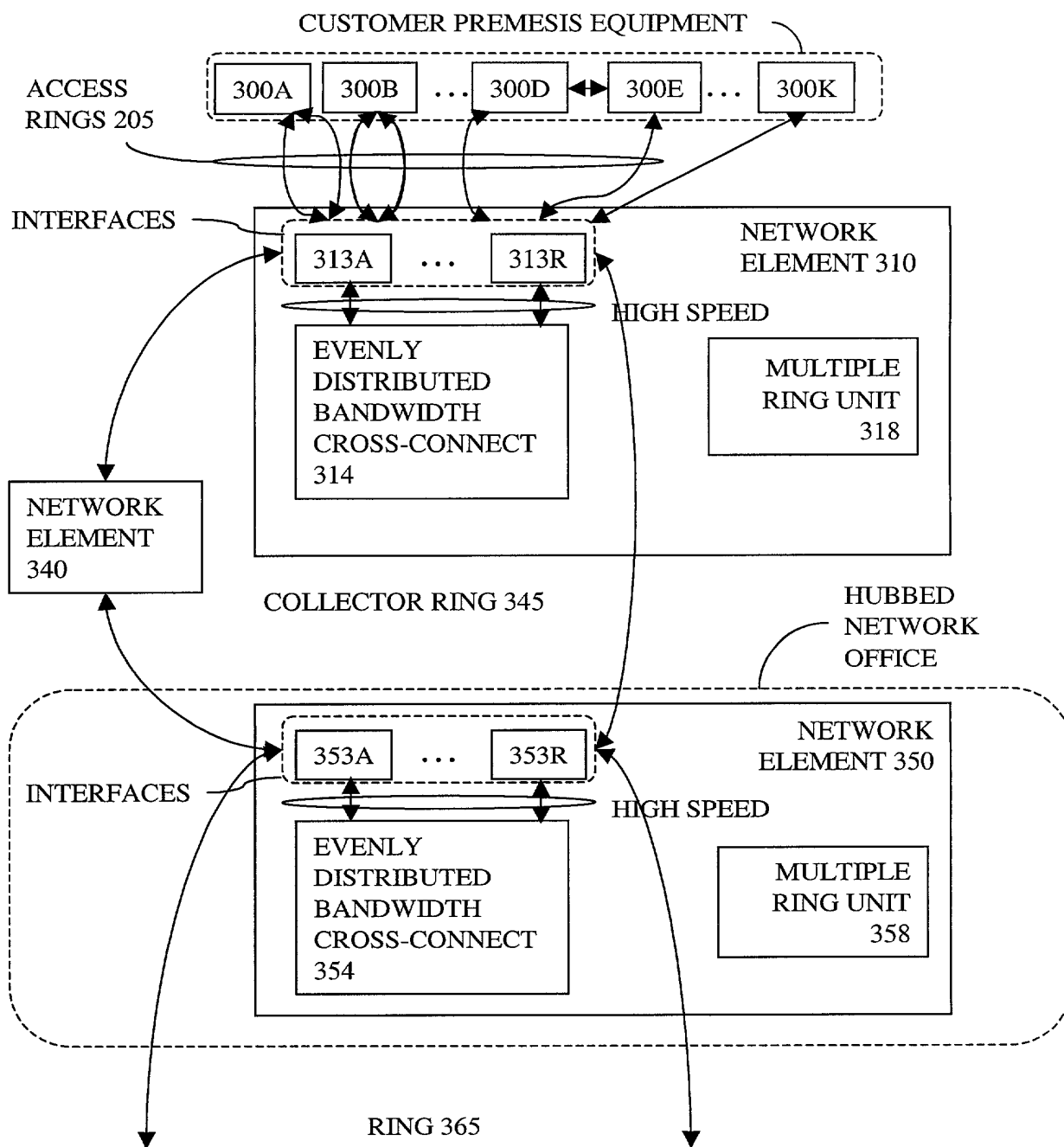


FIG. 3

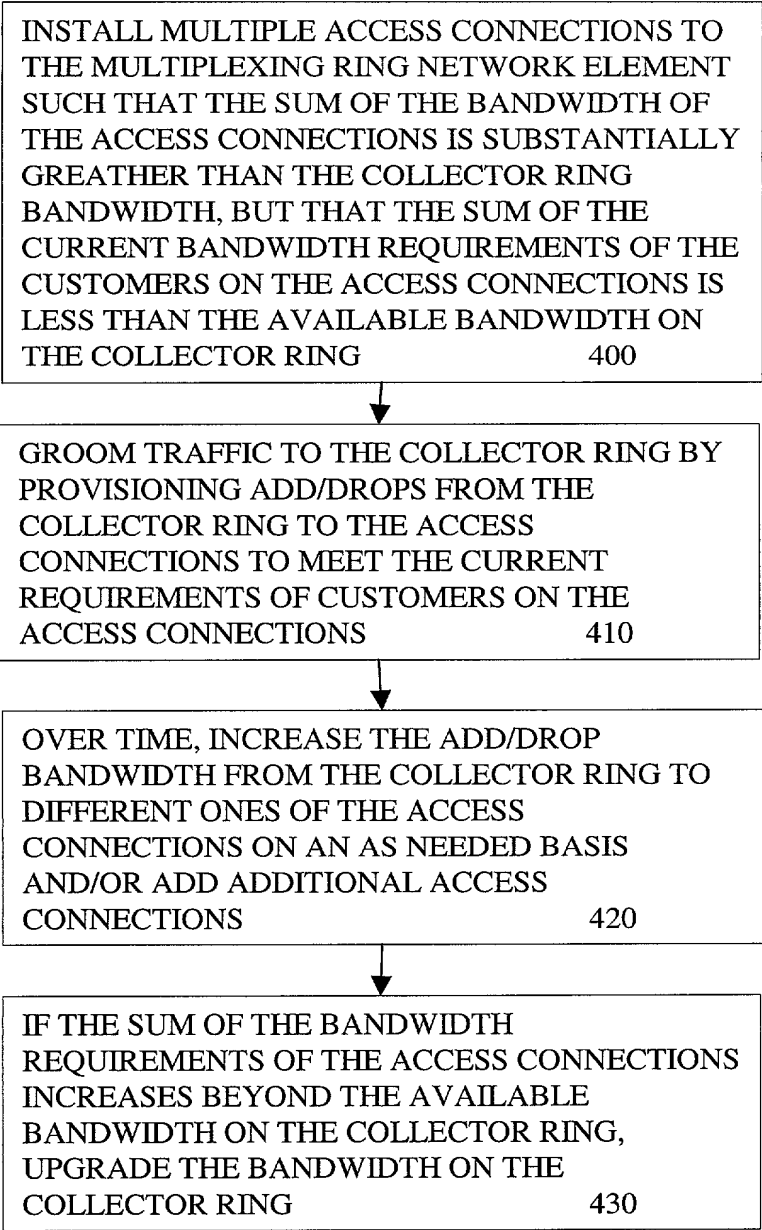


FIG. 4

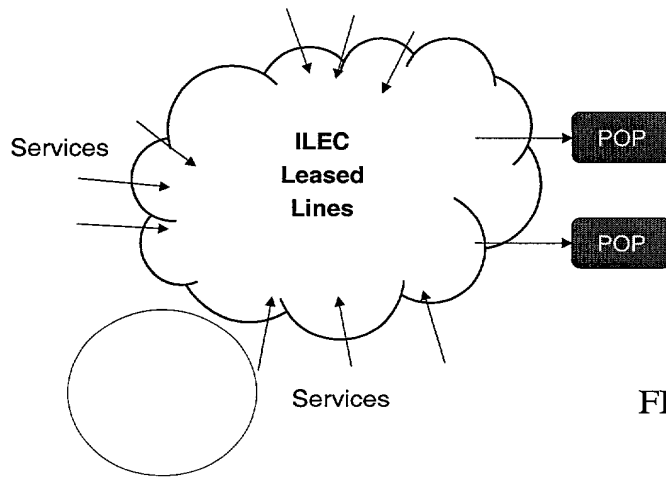


FIG. 5A

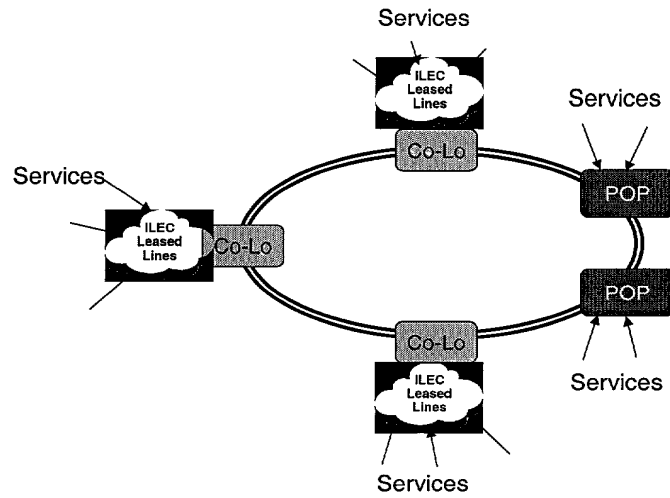


FIG. 5B

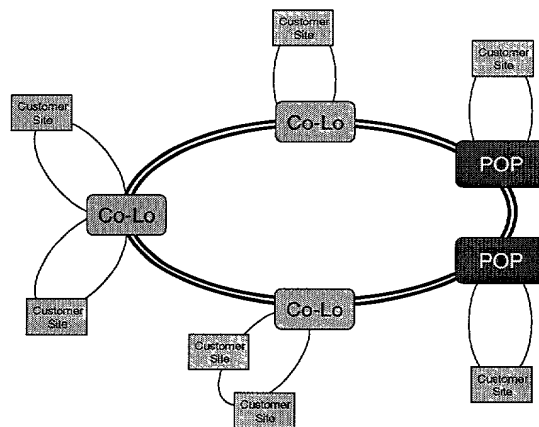


FIG. 5C

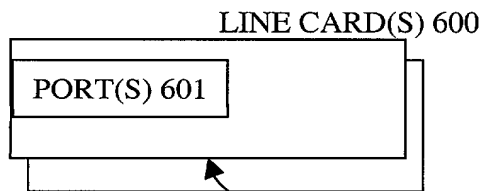


FIG. 6A

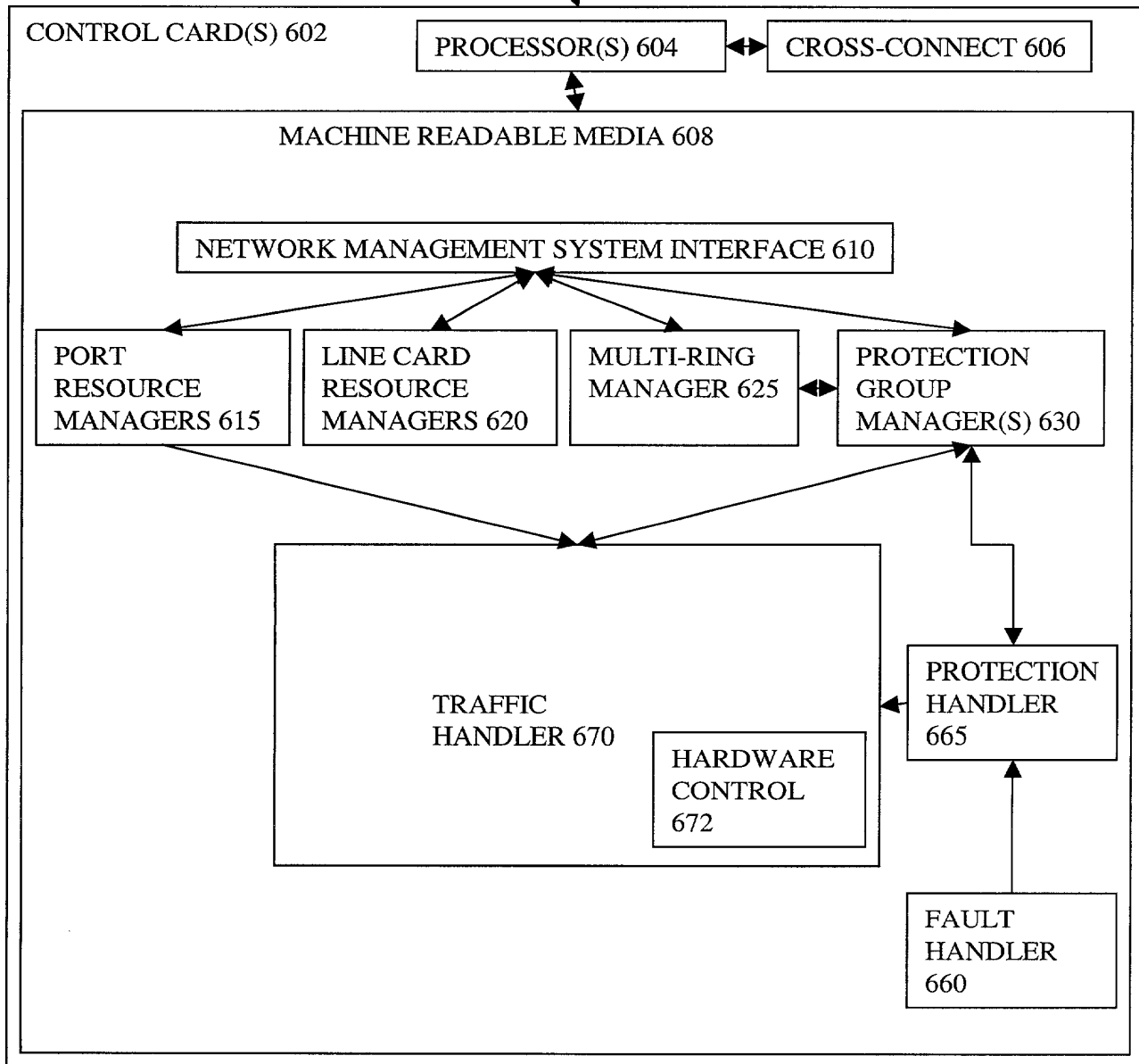
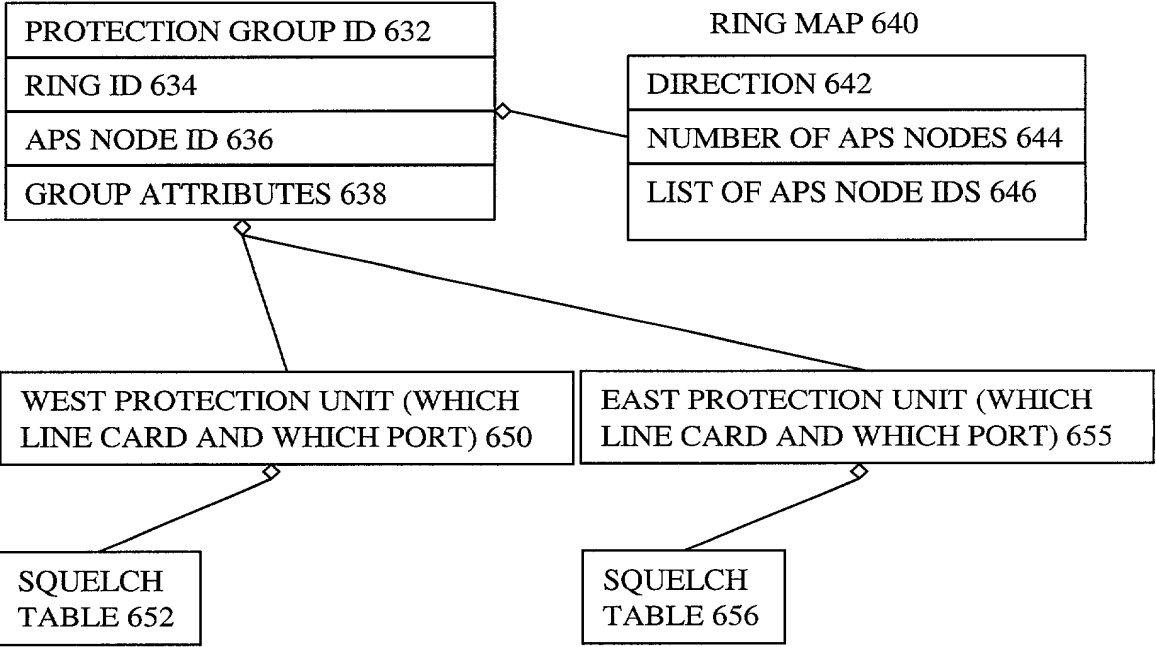


FIG. 6B

PROTECTION GROUP MANAGER 630A



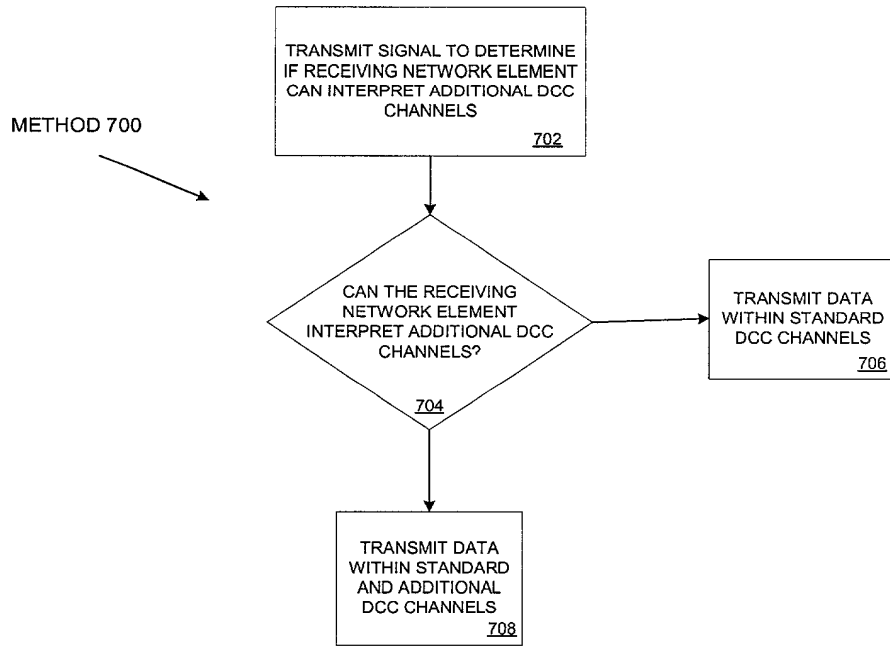


FIG. 7

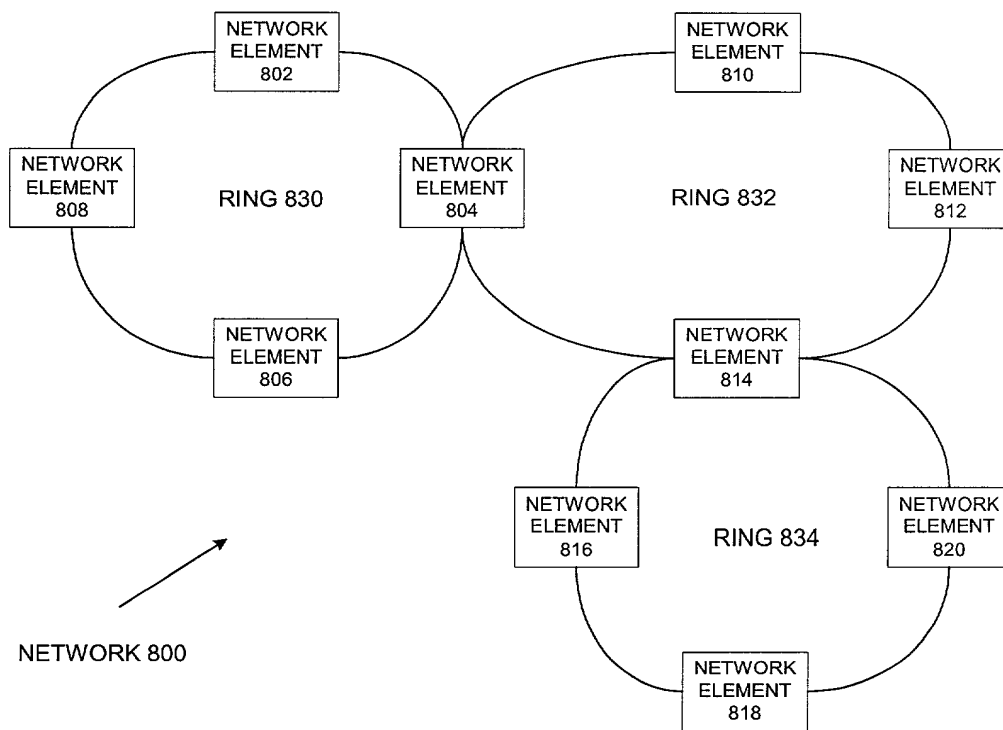


FIG. 8

FIG. 9A
(PRIOR ART)

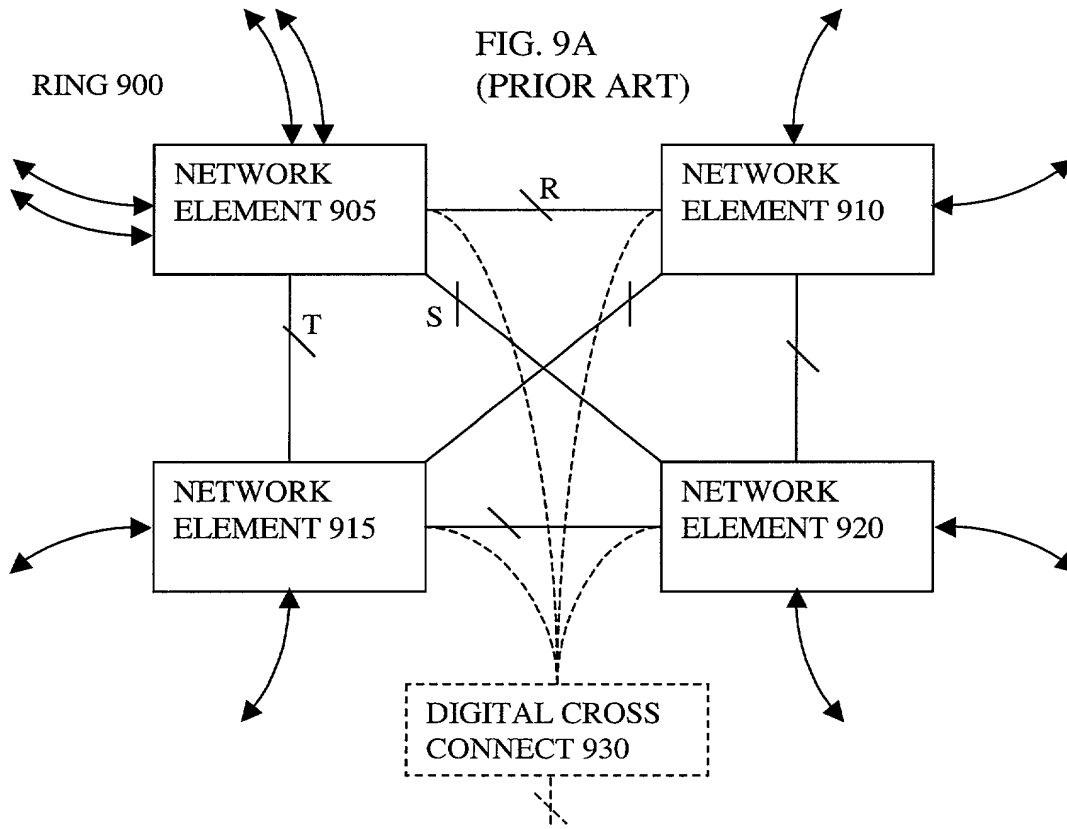


FIG. 9B
(PRIOR ART)

